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1922/23

The Alumni Record - - - March 1923

PELLA, IOWA

CENTRAL COLLEGE

Incorporated Central University of Iowa

Established in 1853



Catalog 1922-1923

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The Alumni Record

Central College

A college of the Reformed Church
in America. Founded and Incorporated
1853. Transferred to the
Reformed Church in America 1916.

College Calendar, 1922-1923
Announcements for 1923-1924

Entered at Pella, Iowa, as Second Class Matter

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No. 1, March, Nineteen Hundred
Twenty Three.

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UNIVERSITY OF ILLINOIS

1923

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College Calendar

1923

January 2.....Tuesday, Instruction begins
January 22-24.....Monday-
Wednesday, First Semester Examinations
January 25..Thursday, Day of Prayer for Col-
leges.
January 26....Friday, Second Semester begins
March 23.....Spring Vacation begins
April 3.....Tuesday, Instruction begins
May 30.....Wednesday, Memorial Day
June 3.....Sunday, Baccalaureate Day
June 6.....Wednesday, Commencement Day
September 8.....Saturday, Meeting of
Faculty for Organization.
September 10-11..Monday-Tuesday, Regis-
tration begins.
September 12..Wednesday, Class Work begins
November 29..Thursday, Thanksgiving Recess
December 21..Friday noon, Christmas vacation

1924

January 8.....Tuesday, Instruction begins
January 16-18 Wednesday-Friday, First Se-
mester Examinations.
January 21..Monday, Second Semester begins
January 31..Thursday, Day of Prayer for
Colleges.
March 28..Friday noon, Spring Vacation begins
April 8.....Tuesday, Spring Vacation ends
May 27-29..Tuesday- Thursday, Final Exam-
inations
May 30.....Friday, Memorial Day
June 1.....Sunday, Baccalaureate Day
June 4.....Wednesday, Commencement Day

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Organ and Harmony.

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Professor of Voice.

CARL WOODFORD, Mus. B.

Professor of Violin. Director of Orchestra.

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MARIE GREINER, Librarian.

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Firth, Bosch, Miss Clara Reeverts.

Chapel—Lee, Mulder, Mrs. Liggett, Miss
Van Nimwegen, Sadler.

Social Life—Miss Graham, Liggett, Mrs.
Pietenpol, Miss Emma Reeverts.

Literary Societies—Liggett, Miss Firth,
Bosch, Miss Watson, Kettering, Emma Reeverts.

Library—Miss Graham, Mulder, Miss Van
Nimwegen, Miss Greiner.

Publicity—Lee, Heemstra, Bosch, Miss Graham,
Miss Firth, Mrs. Pietenpol, Kettering.

Contests and Prizes—Liggett, Miss Watson,
Clara Reeverts, Kettering.

Athletics—Pietenpol, Liggett, Kettering.

Course of Study—Administration Committee
and Registrar.

Commencement—Pietenpol, Miss Firth,
Sadler, Mrs. Liggett, Miss Watson, Miss Clara
Reeverts.

General Information

LOCATION

Pella, the home of Central College, is located on the Keokuk and Des Moines division of the Chicago, Rock Island & Pacific Railway. Good connections are made at Des Moines, Oskaloosa and Ottumwa. The city is situated on the divide between the Des Moines and Skunk rivers in one of the most healthful localities in the state. Many strangers have declared it to be the most beautiful city of its size in Iowa. It is a city of homes, with about thirty-eight hundred inhabitants, and is a prosperous and progressive community with paved streets and municipally owned water, light and sewer systems.

The moral atmosphere of the town is good and helpful. Settled by men and women from Holland who were determined to worship God according to their own consciences and to allow others the same privilege, Pella is a place that makes for sober, righteous and Godly living.

GROUNDS

The College is located in the midst of beautiful grounds. The campus consists of eight acres of lawn and trees nicely laid out. It is situated within the city limits, yet far enough from the business center to assure freedom from noise and fire. It is surrounded by broad streets, thus affording clear sunlight and pure air, and altogether is a most attractive place.

ATHLETIC FIELD

The athletic field is well situated and laid out on the west portion of the campus, and is furnished with an amphitheatre. On this field center the activities of the football and baseball seasons. Good tennis courts are located elsewhere on the campus.

OLD AND NEW CENTRAL

The burning of Old Central has worked a hardship upon the College for the present year, but we are expecting to begin work on the New Central building in the near future. Plans have been drawn, and this building will be a magnificent addition to those now on the campus. This structure, resembling the letter "U" will have, when completed, a frontage of 180 feet. The East wing, 60x112, will be erected first and will contain the class and laboratory rooms of the Science department. The central section will be devoted to administration rooms and the upper floor to halls for society meetings. The West wing will furnish class rooms for the other departments.

JORDAN HALL

This hall was erected in 1905 and first used for College work in the fall of 1906. It is three stories high, constructed of fine pressed brick, ornamented with Bedford stone and finished throughout in oak. It was made possible by the splendid gift of the late Deacon Chandler Jordan, of Central City, whose name it bears. The building is modern in every respect. It contains the administration offices and recitation rooms.

The laboratories for Biology, Chemistry, Domestic Science and Physics are located in this building.

Biological Laboratory—The Biological Laboratory equipment is ample for thorough, efficient work. It includes Bausch and Lomb microscopes, a Zeiss binocular microscope, a paraffin embedding oven, a Minot rotary microtome, a kymograph and various smaller pieces of apparatus. There is one high power microscope for the use of the instructor in demonstration and research. Microscopic slides for use in the various laboratories are constantly being added to the collection.

Chemical Laboratory—The Chemical Laboratory is located on the third floor and is fitted with forty-eight individual lockers and a fume cupboard. Each locker is provided with such apparatus as the student may need for regular work, apparatus for special work being reserved in the supply room. Analytical balances are provided for work in Quantitative Chemistry. The laboratory has its own gas plant. Water is supplied from the city mains.

Physical Laboratory—The Physics Laboratory occupies two rooms in the basement. Among the pieces of equipment are the two-plate Wimhurst static machine and a six-plate "Toeplar Hoelz" machine, both the gift of Dr. William King, of New York. A complete Evans electrical equipment is installed and in operation. A universal projectoscope with all the latest improvements for showing postcards, slides, microscopic slides or opaque material is in the lecture room. Each division of Physics is amply supplied with apparatus for demonstration.

THE LIBRARY

The Library is a fireproof structure built of stone, the exterior coated with kellastone. The main floor, with the exception of the President's office, is devoted to reading and study purposes. The book-lined walls help to create an atmosphere for study. There is a stock room and Librarian's office adjoining the main reading room, while in another part of the building is the reference room, in one end of which is a fireproof vault.

Every square foot of the basement is utilized to good advantage. Besides the large room devoted to the Geological collection, there are three other rooms which afford ample space for magazine files, government documents, and other volumes for which there is not an everyday demand.

The Library itself consists of nine thousand volumes, nearly six thousand of which have been added in recent years. This count excludes all bound magazines, records, reports, etc., no matter how valuable, which number over one thousand. It is classified according to the Dewey system. This recent addition of carefully selected volumes has equipped each department with ample facilities for reference work among the latest publications as well as the standard authorities. The literature section contains about two thousand volumes; history about one thousand nine hundred; science one thousand; Biblical literature about seven hundred fifty; philosophy about seven hundred; social science about five hundred; miscellaneous, one thousand.

GYMNASIUM AND AUDITORIUM

Through the generous action of the Chamber of Commerce of the city of Pella, a new

Auditorium and Gymnasium has been erected. The building is 156 feet long by 70 feet wide and is one of the best of its kind in the state of Iowa. The floor space in the Gymnasium is ample enough to provide two basket ball courts of average size and lengthwise a court 50 feet by 86 feet. This commodious building answers a long felt need. It is a real asset to the life of the College. The auditorium serves for Chapel exercises and for many College functions.

LADIES' DORMITORY

This building was opened on January 6, 1919. It provides all the comforts of an ideal home, while the atmosphere is distinctively home-like. It is of brick and concrete construction, four stories high, and absolutely fire-proof.

The spacious dining room can readily accommodate two hundred and fifty guests at one sitting. Kitchen facilities are wholly adequate. On another page appears a more detailed statement in regard to cost for room and board.

The remaining floors are devoted to rooms for the students and teachers. These are single or en suite. They have every convenience that one expects from a building of its character. The Dormitory will accommodate about eighty young women.

BEARD OBSERVATORY

Owing to the generosity of one of Central's strongest supporters the College is now in a position to offer courses in Astronomy. The Observatory is located upon the southwest corner of the Library, an ideal location, as the telescope is well above the surrounding trees and

buildings which would interfere with low angle work in case the telescope were mounted nearer the ground.

The telescope with its six and one-half inch lens is one of the largest in the state and gives fine facility for the study of astronomy. The glass is equatorially mounted and has ten eye pieces. The instrument was manufactured by Albrach Clark & Son.

The stereopticon has an Edison arc lamp. We have over five hundred lantern slides, many of them made from photographs taken by Lick and Yerkes telescopes. The pictures are projected on a screen twelve feet square and the details of the celestial objects are brought out in a most wonderful way. The cost of the slides was over one thousand dollars.

The clock was made by Negus, chronometer maker for the United States Navy, and was secured at a cost of three hundred and sixty dollars.

We also possess a small refracting telescope, elegantly mounted, three and one-half inch lens, four eye glasses with finder of French manufacture, the gift of Mr. George Little, of Boston, Mass.

Our spectroscope is one of the best; the maker's name, John A. Brashear, gives it the same rank in its field that Clark's name gives to a telescope. It has a diffraction grating 2x4 inches, on which twenty thousand lines are ruled to the inch.

RANDOLPH MUSEUM

The Randolph Geological Museum is now housed in a large, well-lighted room in the basement of the Library. In this room the collection has been arranged to better advantage

than was possible in Jordan Hall, where it was previously kept. The collection itself is a most excellent one, and is the gift of the late H. F. Randolph, of Webster City, Iowa. It will remain an imperishable tribute to the interest and liberality of the donor.

DUNN COTTAGE

This is a two-story brick building with modern conveniences, built as a home for the President of the institution. It is named in honor of the late Mrs. J. N. Dunn, a name intimately and honorably associated with Central's history.

CITY LIBRARY

In addition to the College library the Carnegie-Viersen library offers added facilities in the way of equipment in books. In 1906 Mr. Carnegie presented a fine library building to the city and Miss Siebrigje Viersen, one of Pella's public-spirited citizens, gave a fund of six thousand dollars to be used for books. Thus the library was from the first well supplied and at present contains over 6,000 volumes, easily accessible to the students of Central College.

Administration and Government

The aim of the College is to afford students training in self-government and to develop in them responsibility and high regard for personal conduct. Since the Institution offers privileges, a breach of College order means most naturally the taking away of such privileges either in part or altogether, while persistence in wrong conduct will result in dismissal from the Institution.

The student body is represented in all matters affecting the public life of the school by the Student Council, which co-operates with, and has the power of making recommendations to the Faculty. The idea is that instructors and students be co-workers in the entire life of the College.

REGISTRATION

The first two days of the first semester are given to registration. For the second semester provision is made for registration during the week of the mid-year examination. For registration not completed during the days specified or for any changes in the registration thereafter, a fee of one dollar is required. Students may not change registration or drop a given subject without the consent of the Dean and the instructor whose work is involved.

CLASS ATTENDANCE

Punctuality at the beginning of a semester is especially desirable since the loss incurred by beginning behind one's class cannot easily be repaired. It is assumed that the young men and women will meet promptly and regularly all of their class-room appointments. If for

any valid reason students are forced to miss a recitation, they are expected to present their reasons to the teacher before the next session. Unexcused absence from the first or last recitation of a given semester, or from the last recitation before, or first after a vacation period, is counted as equivalent to three daily absences.

CLASS STANDING

Each instructor keeps a careful record of the work of each student and reports same to the Registrar at the close of the semester. These are recorded and become a part of the permanent college record. The daily class-room work and the examinations are graded on a scale of 100. The system of marking is as follows:

A, 100 to 94, means excellent and counts 5 points.

B, 93 to 86, means good, and counts 4 points.

C, 85 to 78, means fair, and counts 3 points.

D, 77 to 70, means poor, and counts 2 points.

E, 69 to 60, means conditioned, may be made up within one year, and if so, receives passing mark, and counts 1 point. If not made up within this time the condition becomes a failure, and the work must be repeated to count as credit.

F, 59 and below, means a failure, and the work must be taken again to count as credit. The student will not be permitted to continue with the class or to do advanced work in that subject until the work in which the student failed has been satisfactorily done.

EXAMINATIONS

Regular examinations are held at the close of each semester. Students must attend all examinations in the studies they pursue. No

student whose work in any study is reported as being incomplete, either because of failure to take the examination or to do other work required will receive credit for the work in that subject until the course has been completed. This must be done within one year from the date of the original examination. If it is not done within that time the grade becomes a failure and the work will have to be repeated. In case a regular examination is missed the student may, upon presentation of an acceptable excuse, be permitted to take a special examination. This may also be done in the case of a failure in an examination, provided the instructor deems the student's class work to have been of such a character as to merit another trial. For each special examination of this kind, written permission must be secured from the Dean and a fee of one dollar paid.

For each special examination where a student desires to receive credit in a course in which the work has not been done in class, a fee of one dollar for each hour of credit to be received is charged and written permission must be secured from the Dean. No such examination will be given until the instructor in the subject is convinced that the student has covered the work thoroughly and is entitled to the examination.

RELIGIOUS INFLUENCES

Central College has enjoyed a splendid reputation for thoroughness in mental training combined with high ideals for the religious development of the student. This the authorities are determined to maintain at all costs and will employ every resource to develop young people in the best possible manner, physically, mentally and morally.

All students are expected to identify themselves with some religious congregation in the city and to attend divine worship at least once each Sunday. The entire life and administration of the institution, while avoiding sectarianism, is positively in favor of the Christian religion. Chapel worship is held each school day, at which all students are expected to be present.

Student Organizations

CHRISTIAN ASSOCIATIONS

In connection with the College are branches of the Young Men's and Young Women's Christian Associations. There are regular weekly meetings for worship, Bible reading and praise, and also for social intercourse. Members of the Faculty are also connected with the Associations, giving them their personal attention and support.

The Associations conduct Bible and mission study classes as arranged by their committees. To accommodate all, the classes meet at various hours and under trained leaders take up some line of systematic study.

THE CHAPEL

Every morning at 9:30 the entire College assembles for chapel worship. These occasions are devotional in character, and are conducted in such a way as to help the student to realize the meaning and worth of spiritual verities. Interesting and profitable talks are given from time to time. After the chapel service there is usually time for short meetings whenever class or social affairs demand it. Chapel services are an integral part of the life of Central. Attendance is voluntary, but the meetings prove so helpful that a student or teacher never absents himself unless there are good reasons for doing so.

COLLEGE GLEE CLUBS

The two most prominent musical organizations of the College are the Men's and Ladies' Glee Clubs. Membership in each club is open

to all departments of the College, but is of a competitive nature. The quality of the voice counts in this work more than a technical knowledge of music.

Both Clubs make extended tours every Spring vacation.

The Excelsior Club affords opportunity for voice training to others who are not members of the Glee Clubs.

LITERARY SOCIETIES

An important feature of the institution is the work of the Literary Societies, the Philomathian, composed of young men; the Alethian, of young women; the Advansonian and the Alpha Epsilon Sigma, of both sexes; the Adelpic, an organization limited to Academy students. All meet weekly, and carry out varied programs of literary work. In society work students receive an important discipline which they can not obtain elsewhere.

Oratorical Association—The College Oratorical Association is affiliated with the Iowa State Forensic Association and the Iowa Collegiate Women's Forensic League. It is the organization through which is carried on all inter-collegiate debating.

COLLEGE LECTURE COURSE

The Young Men's Christian Association of the College has for many years, maintained a first-class lecture course. It consists of lectures, musical numbers and entertainments. The aim is to secure very high class talent of a type which will be not only of interest, but also of moral benefit to the College community.

STUDENT VOLUNTEER BAND

Central College has always been a strong missionary College and has always laid great

stress on missionary work. In the Student Volunteer Band are eighteen active and associate members. This organization meets for prayer and discussion every week. It is peculiarly fitting in this day when the world is becoming one great unit, when modern inventions have caused its dimensions to shrink materially, that students in college should think seriously of answering the urgent needs of the non-Christian world.

STUDENT PUBLICATIONS

The Central Ray—A weekly paper is published by the students. It serves as a means of literary culture among the students themselves, a medium of communication between alumni and present members of the College, and a general representative of the interests of the school to the outer world. The Ray has a good list of subscribers at one dollar and thirty-five cents per year.

The Pelican—An annual published successively by each Junior class of the College, sets forth in picture, chronicle and story the life of the year in all departments of the institution and becomes thus an invaluable preserver for after years of the doings and happenings of "good old college days."

Scholarships and Prizes

SCHOLARSHIPS

Honor Scholarships—In accordance with the regulations adopted by the Association of Independent Colleges of Iowa, a scholarship good for full tuition for one year will be granted to the honor student of the graduating class of any accredited high school in the state. The colleges of the Association are agreed that no other honor scholarship will be granted.

SCHOLARSHIPS AND OTHER SOURCES OF AID

The Board of Education assists College students who are preparing for the Gospel Ministry or Missionary work. The full amount of the scholarship is one hundred and sixty dollars plus tuition and room rent. This support is given only when a student actually needs it.

The Board of Domestic Missions offers two scholarships of one hundred dollars each to girls who are preparing for definite Christian service. One of the scholarships is the gift of Mrs. John S. Bussing, of New York City.

The Franklin Reformed Church of Nutley, New Jersey, of which Harold W. Schenck is pastor, provides two scholarships, the one of fifty dollars offered by the Men's Association of the F. R. C., the other of forty dollars offered by the Young People's Society of the same church.

The Young People's Society of the South Branch, New Jersey, Reformed Church, of which Rev. Marion G. Gosselink is pastor, provides an annual scholarship of fifty dollars for some worthy College student.

The Classical Board of Benevolence assists students in the Academy who are in need of financial aid.

Application for any of the above scholarships should be made to the President.

PRIZES

The Keables Gold Medal is offered by Mrs. Kate Keables Beard, of Pella, for the best declamation. Open to all students.

The Puritan Drug Company gives a "C" blanket to the player making the best all-around record in football, and a silver cup to the best all-around player in baseball.

The Van Houweling Prize in Oratory is offered by Mr. A. B. Van Houweling to the winner of the local men's oratorical contest given under the auspices of the College Oratorical Association. This prize consists of a gold medal for the one winning first place and a silver medal for the one winning second place.

The Rhynsburger Prize in Oratory is offered by Mr. and Mrs. H. Rhynsburger to the winner of the local women's oratorical contest. The conditions are the same as the men's contest.

The Julia Van Houweling Medals—Mrs. A. T. Van Houweling will offer annually two gold medals for scholarship, one for the College and the other for the Academy. A medal will be awarded to that student in each department who makes the highest grades in course of the academic year.

The Virginia Shaw medal is offered for the best original oration written by a member of the Senior Academy class.

The Brownell Medal is offered by Mr. Charles Brown and is open to all students of Central Conservatory graduating in the Degree Course whose major subject is piano. The

medal is awarded to the one ranking highest in class room work, including all work in theory and public performance in piano.

The Sadler Medal is offered by George Francis Sadler and is open to all students of Central Conservatory graduating in the Degree Course whose major subject is voice. The medal is awarded to the one ranking highest in class room work including all work in theory and public performance in voice.

The Senior Excellence Medal, the gift of Dean H. W. Pietenpol, is awarded to that member of the Senior Class whose standing and general attitude during the four years shall be deemed best by a Committee of the Faculty.

The Rev. William J. Van Kersen, of Holland, Mich., offers a prize of twenty-five dollars for the best essay on a present day foreign missionary subject. This is open to all students of College rank.

DR. J. ACKERMAN COLE'S BIBLE STUDY PRIZE

Dr. J. Ackerman Coles, a loyal friend of Central, has presented the College with a \$500 railroad bond, the interest of which, according to the donor, is to be devoted towards establishing prizes for Bible study. Three prizes have been established for the College department, and three for the Academy. The prizes are to go to those students who can quote from memory the largest number of verses from the Old and New Testament. This year the chapters assigned are: John 17, I Cor. 13, Psalm 91, Isaiah 55, and Romans 12. This contest will be held in the last week of May. The donor's object in establishing these prizes is to encourage as many as possible to commit large sections of Scripture to memory.

SELF-SUPPORT

Many of our best students aid themselves financially by obtaining positions of various kinds in the town and College. Living expenses are lower in Pella than in most places, and this factor is of importance to those students who do not have an abundance of financial support.

Emphasis, however, should be laid upon the fact that the ideal arrangement is for a student to have sufficient means to cover expenses, for that determines that he will be free at all times to pursue his studies and thus do better work in them. Also such a student will have more time to engage in the extra-curriculum activities of the College, which are essential to the highest, all-around development. However, when students support themselves, every effort will be made to secure suitable positions for them.

Expenses and Board

Every young lady coming to Central will be required to live in the Ladies' Dormitory, unless she has relatives in the city, or is working for her room and board. There will be no departure from this rule unless permission is secured jointly from the Dean of Women and the President.

The large dining hall, where board is furnished to both young women and young men, will accommodate at least two hundred and fifty students. By the introduction of up-to-date labor saving devices in the kitchen, as well as by judicious purchasing of provisions in large quantities, the cost of board has this year averaged but four dollars and fifty cents per week.

Any student wishing to take advantage of the club rates offered by the College must deposit \$20 at the beginning of the year, which will be refunded in case the student leaves.

Reservation of rooms in the dormitory is for the entire semester, and those who once take rooms can release them only by special arrangement with the Treasurer. Applications for rooms may be made to the Matron, Mrs. Carrie Halbert.

Payment must be made in advance at the beginning of each semester.

TUITION

College Tuition per semester—

Ten to sixteen hours.....	\$25.00
Less than ten hours, per hour.....	2.00
For each additional hour above sixteen	2.00

Academy Tuition per semester—

Ten to twenty hours.....\$15.00

Less than ten hours, per hour.... 1.50

For each additional hour above
twenty 1.00

Tuition and fees payable in advance.

Probable action by the Board of Trustees
at their next session may alter the above figures
for tuition.

FEES

Student Intercollegiate Contest Fee, per
semester—

For College Students.....\$4.00

All Others 3.00

This fee is required of all but unclassified
music students and those taking less than six
hours of work and secures admission to all
intercollegiate contests.

Laboratory Fees in the College per semester—

Chemistry I and II; IX and X.....\$6.00

Chemistry III to VIII..... 7.00

Biology 5.00

Physics 3.00

Laboratory fees in the Academy per semester—

Chemistry I and II.....\$6.00

Physics 2.00

Breakage Deposit 2.00

A deposit is required at the beginning of
each course in chemistry, any unused portion
of which is returnable.

SPECIAL FEES

Special examinations, each study taken in
course\$1.00

Special examination, each study not taken
in course, per credit hour..... 1.00

Certificate from any Department..... 3.00

Diploma for Bachelor's Degree.....	5.00
Typewriting elected by a student in any other course, per semester.....	10.00
Gymnasium Locker, per semester.....	.50
Deposit Gymnasium Locker key.....	.50

Fees for diplomas and certificates must be paid to the Treasurer by the fifteenth of May, preceding graduation.

If a student desires to take work by the week the charge of tuition is \$2.00 per week in any department.

In case a student leaves school after the middle of the semester no refund at all is made. If a student is granted honorable dismissal before the middle of the semester or term, a refund will be made of one-third the amount paid at the opening of the semester or term. In order to secure honorable dismissal the student must make application to the Registrar, who will present the request to the Faculty for action.

A student will not be graduated from any department of the College or receive any diploma or certificate, who has not paid all bills due the College. All accounts must be settled by the fifteenth of May preceding graduation.

TUITION IN MUSIC AND EXPRESSION

Piano, Voice, Pipe Organ, Violin, Expression—

Two lessons per week (private) ... \$36.00

One lesson per week (private) 18.00

Single lessons 1.25

Harmony, Musical History, Analysis—

Two lessons per week (in class) .. \$11.00

Music Rent 2.00

Rent of piano one hour a day per
semester 5.00

Rent of practice organ one hour a
day per semester..... 18.00

COLLEGE OF LIBERAL ARTS

TERMS OF ADMISSION

All candidates for admission to the College must be young men or young women of good character and serious purpose. All such young people will find in Central a wholesome and stimulating atmosphere and an excellent opportunity.

Every student who desires to be admitted to Freshman standing as a candidate for a degree must either (a) present a certified copy of High school or Academy credits, or (b) pass an examination based on a four-years' course amounting in the aggregate to 15 units. The required and elective units are:

(A) Required:

English	3 units
Algebra	1 unit
Plane Geometry	1 unit
Natural Science	1 unit
History or Civics	1 unit
Elective	8 units

Total15 units

All elective credits must meet the following conditions stipulated by the Iowa State Board on Secondary School Relations.

(B) Elective:

1.—Enough additional work from the five principal groups of subjects, viz, English, foreign language, mathematics, the civics-history-economics groups, natural science, to make a total of at least eleven units; but with a maxi-

imum of four units in any one foreign language, in English, in the civics-history-economics group, in mathematics, or four and one-half units in natural science.

2.—Whatever work to the extent of four additional units, the high school certifies as accepted by that school for graduation; subject to the definition of units of entrance credit adopted by the North Central Association of Colleges and Secondary Schools, or in Bulletins published by the Iowa Board on Secondary School Relations, and with only the following general restrictions:

(a) Not less than one unit in physics, chemistry, or any foreign language, when one or more of these are included in the high school course.

(b) Not less than one-half unit in any single subject, with the following exception: a minimum of one-third unit is accepted for work done in high schools organized on the basis of a four term year of twelve weeks each; this does not reduce the minimum credit demanded in subjects requiring not less than one unit of entrance credit.

(c) No credit for English Grammar, United States History, or Arithmetic unless taken in the third or fourth year of the secondary school course; or, in the case of Arithmetic, after the completion of one and one-half units in algebra.

(d) In the cases of freehand or mechanical drawing, manual training, and the laboratory elements of domestic science, a double class period (85 minutes)

must be required as the equivalent of an ordinary period (40 to 45 minutes) in a non-laboratory subject.

Students who present only 14 units may be given conditional entrance, but all conditions must be removed before the student begins his second year's work. Students who present less than 14 units will be placed in the Academy until the requirement is completed.

Special Students—Students who do not desire to work for a degree, and who are lacking in the requisite credits for College entrance, may, by action of the Faculty, be admitted as special students in College classes, provided they satisfy the Faculty that they can pursue with profit the courses they select.

ADVANCED STANDING

Candidates for advanced standing from other colleges must present a letter of honorable dismissal and a certificate of work done and credit earned in each study. Work done in accredited colleges is accepted without examination for advanced standing and credit given the same as if done in this Institution. But the standing of the student is provisional, and a satisfactory grade of work must be done in this Institution to make the standing permanent. No student can secure a Bachelor's degree from this College who has not spent at least one year in residence above the Sophomore year and secured at least twenty-four credits for the work done.

DEGREES

Three Bachelor degrees are granted, the Bachelor of Arts, Bachelor of Science and Bachelor of Music. All candidates for a de-

gree fulfilling the requirements given at length below will be granted an A. B. degree. However, to the candidate majoring in the Science group, the B. S. degree will be granted if he thus prefers. The degree of Bachelor of Music will be granted to those who have completed the Diploma Course prescribed by the Conservatory of Music, and in addition thereto have received credit for not less than 30 hours, of which 4 must be in Bible and 4 in Expression, of the 120 hours of work in Liberal Arts courses required for the Bachelor of Arts degree.

COURSES OF STUDY

The courses of study offered in the college are classified into three groups under which are included the various departments. The groups with their departments are:

GROUP I	GROUP II	GROUP III
Dutch	Biblical Literature	Biology
English	Education	Chemistry
Expression	History	Mathematics
French	Philosophy	Physics
German	Psychology	Music
Greek	Political Science	
Latin	Social Science	
Spanish		

1. Every student is required to select a major department from one of these three groups, in which he must make a minimum of 24 credits, not including those required in paragraph 4.

2. The groups in which the student selects his major department will be known as his ma-

jor group. A minimum of 40 credits must be completed in this group, not including those required in paragraph 4.

3. At least 24 hours of work must be selected from the two groups in which the major subject does not fall, not less than 8 hours in any groups, no part of which may be satisfied by the subjects required in paragraph 4.

4. The following specific requirements are made to all students for the Bachelor's degree without regard to the department in which his major work is done: Expression, 4 hours; in the Freshman year, English I-II, 6 hours; Biblical Literature, 4 hours; in the Sophomore year, English III-IV, 4 hours, and Biblical Literature, 4 hours. In each of these two years there is a physical training requirement of 2 hours.

5. In order to graduate, the student must complete 124 hours of credit, and secure a total of 340 grade points (see page 16), including 4 credits in physical training. Of these not more than 24 may be counted in any other department than the major department. At least 72 hours must be in courses beyond those designated as Freshmen courses.

6. The prerequisites, and major requirements for each department are stated under the Course of Instruction for that department.

7. Students for the ministry are advised to do their major work in Group I, and to emphasize especially the Greek and Latin languages. This will place them in line with the expectations of the Theological Seminaries with respect to the preparation of the students whom they receive.

In estimating credits the unit adopted is one hour a week of recitation, or two hours a week of laboratory work, through one semes-

ter. The regular work consists of fifteen or sixteen units each semester. No student will be permitted to elect studies aggregating more than sixteen or less than twelve units in any semester without special permission from the Faculty.

PROMOTION

No student who in any semester fails to pass in at least three-fifths of all hours of work which he is taking, with a grade of C or above in one-fifth, will be readmitted to the College except by special vote of the administration committee, which vote shall be based on some satisfactory work done in the interval, or illness as the cause of failure, or some other exceptional circumstances.

In order for a student to be promoted from the Freshman class to the Sophomore class, he must have passed in College studies amounting to not less than 20 semester hours, and have secured at least 54 points as indicated by the system of marking given on page 16.

For promotion to the Junior class he must have passed in College studies amounting to not less than 50 semester hours, and have secured at least 136 points.

For promotion to the Senior class he must lack for graduation not more than 36 hours of College work, nor more than 100 points.

STATE CERTIFICATES

First Grade State Certificate

In accordance with the laws passed by the Thirty-first General Assembly, the State Board of Educational Examiners will grant a five-year First Grade State Teacher's Certificate to each

graduate of Central College who has completed certain prescribed work, consisting of Psychology, six semester hours, and Education, fourteen semester hours, including Courses I, II, and III, provided that not more than six semester hours are taken during the first two years of college work. This certificate may be renewed at the end of five years upon proof of three years of successful teaching.

Two Year Normal Course

The needs of students desiring to take the Two Year Normal Course for which the State Board of Educational Examiners will grant a Third Grade State Certificate, will be met. The requirements for this course are as follows:

1. Fifteen secondary units for entrance.
2. The course consists of at least 60 semester hours of college work, of which 15 should be devoted to psychology and education. Psychology should come first. The theory of education or history of education may run parallel to either.

Students taking the two year normal course are expected to take the following subjects:

Freshman Year: English I-II, 6 semester hours; Bible I-II, 4 semester hours; Psychology I-II, 6 semester hours; Elective, 14 semester hours.

Sophomore Year: Education I-II, 6 semester hours; English III and IV, 4 semester hours; Education XI-XII, 4 semester hours; Elective, 16 semester hours.

Students are advised to consult with the head of the education department before taking up the course.

PRE-MEDICAL COURSE

Students entering college with the intention of preparing for scientific work such as medicine or engineering, should present for entrance a fair amount of science, language and mathematics, and not too large a proportion of vocational subjects. A High School or Academy course similar to the following is satisfactory preparation:

FIRST YEAR

English	5
Latin	5
Algebra	5
Gen. Science and Ancient History	5

SECOND YEAR

English	5
Latin	5
History (Med. and Mod.)	5
Geometry	5

THIRD YEAR

Algebra and Solid Geometry	5
German or French.....	5
U. S. History and Civics.	5
Zoology or Botany or Physical Geography or Physiology	5

FOURTH YEAR

English	4
German or French.....	4
Physics	5
Elective	5

For the Freshman and Sophomore years in College the above students would continue with courses similar to the following:

FRESHMAN YEAR

English	3
Mathematics	4
Chemistry	5
Elective	4

SOPHOMORE YEAR

English	2
Physics	5
Qualitative Analysis....	4
Biology	4
Elective	2

Electives may be selected from such subjects as History, Bible, Psychology, Expression, Mathematics, etc.

Departments of Instruction

BIBLICAL LITERATURE

Professor Mulder

In all the courses offered we work on the basis that the Bible is a book divinely inspired. There is no question raised as to the truthfulness of any historical statement, nor do we doubt the place in Scripture of any book or any part of it. The effort of the department is to inspire within the minds of the studentry the same reverence for Scripture and its teachings which marked the lives of the fathers. The work is given in such a way that there will be daily Bible study on the part of the student; unless that method is used, we feel that we have missed, at least partially, the aim of Bible work. The ambition cherished in all the work is that the student will come to base all his thinking on the truths of Scripture. Though textbooks are used in all the courses, the chief text is the Bible itself, and special attention is given to its words.

I. The Life of Christ. This course makes a study of the world conditions in the time of Christ, studying the political, social and religious institutions. With this background we make a constructive study of the life of Christ, interpreting his principal teachings and applying them to present-day experience. This course is required of Freshmen. First semester, two hours.

II. Life and Teaching of the Apostles. This course traces the early history of the Christian church on the basis of the Acts and the Epistles. We note some of the early problems of the

church and their solution. The latter part of the course concerns itself with some of the principal Apostolic teachings showing their practical truth and their present application. Required of Freshmen. Second semester, two hours.

III. Old Testament Character Studies. This course reviews very rapidly in connection with the history of prominent leaders, the course of events in the Old Testament. We strive to hold before the minds of the students the acts of Providence as they reveal themselves in the history and to make the study of the characters contribute to the growth of the student. Required of Sophomores, first semester, two hours.

IV. Missions. This course reviews the history of Missions, paying special attention to the modern period. As time allows we study some of the problems of the Mission field, approaching these from the point of view of our own missionaries. Required of Sophomores. Second semester, two hours.

V. Doctrinal Standards. A study of Reformed doctrinal standards. The lecture and seminar methods are used in class. The student is expected to do extensive reading on given subjects, and is assigned subjects for papers. This is an elective course offered to those who desire more information concerning our beliefs. First semester, two hours.

VI. Sunday School Organization and Management. This course is open only to those who have already taken the previous work. The course acquaints the student with the duties of officers, the function of the Sunday School, and the best methods of procedure. Second semester, two hours.

BIOLOGY

Professor Liggett

The aim in the courses in Biology is primarily to give the student systematic appreciation of the living things with which he daily comes in contact. A large part of the instruction is given in the laboratory, where the student is trained in skillful preparation of material, accurate observation, and systematic recording of results by means of notes and drawings.

I-II. General Biology. A course in the fundamentals underlying both animal and vegetable life. The cell, anatomy and physiology of representative plants and animals, and various problems connected with living organisms, are considered. Approximately three-fourths of the time is devoted to animal forms and one-fourth to plant forms. Two class and two laboratory periods per week. First and second semesters. Sophomore year. Given each year.

III. Embryology. Lectures and laboratory work. The course is based largely upon the development of the frog and the chick.

Prerequisite, Course I and II. One class and two laboratory periods per week, second semester. Omitted 1923-1924.

CHEMISTRY

Professor Liggett

I-II. Inorganic Chemistry. A general course, emphasizing fundamental principles and practical applications. Three recitations and two laboratory periods per week throughout the year.

Prerequisites, Physics, 1-2, or equivalent. Freshman year.

III-IV. Qualitative Analysis. Two recitations and two laboratory periods throughout the year.

Prerequisites, Chemistry I-II and Mathematics I-II. Sophomore year. Based on modern chemical theories. Includes a thorough study of chemical equilibrium, the chief analytical reactions of bases and acids, drill in equation writing, analysis of salts, ores, minerals, and industrial products.

V-VI. Organic Chemistry. Three recitations and two laboratory periods per week throughout the year.

Prerequisite, Chemistry III-IV. Alternates with VII-VIII. Given in 1923-1924.

VII-VIII. Quantitative Analysis. Two recitations and two laboratory periods per week throughout the year.

Prerequisite, Chemistry III-IV. Alternates with V-VI. Given in 1924-1925.

IX-X. Household Chemistry. A course in the Chemistry of foods, sanitation, textiles, etc. Two recitations and two laboratory periods per week throughout the year. Credit not to count on a major in chemistry.

Prerequisite, Chemistry I-II.

XI-XII. Advanced Inorganic Chemistry. A course intended for those expecting to teach or to study chemical engineering. Emphasis is upon fundamental principles, such as chemical equilibrium and energy of reactions rather than upon properties of substances. Smith's Inorganic Chemistry. Three recitations and two laboratory periods per week throughout the year.

XIII. Special Course. Advanced students of exceptional ability are given opportunity to do special work. This may be done in Advanc-

ed Qualitative Analysis, Quantitative Analysis, Organic Preparations, or some other selected branch.

Those majoring in Chemistry should, if possible, include Courses I-VIII.

DUTCH

Rev. Walkotten

The courses in the Dutch language and literature are intended to equip those who may be called upon to serve churches that use the Dutch language, and also to serve those who desire to study Dutch for cultural or linguistic reasons. Dutch has great value for the linguist. The factors that make for change in speech are very evident in modern Dutch.

I. Beginners' Dutch. A careful study is made of the Dutch sounds. Pronunciation is given special attention throughout the course. The vernacular of Holland as spoken today is taken as the standard of correctness. Simple idioms are noted as they occur in the reading and are used in class conversation. Three hours per week.

II. This course is a continuation of Course I. Special attention is given to the verb. Practice in rapid and intelligent reading without translation. The spoken language is continually held up before the student as the model which he ought to follow. The Dutch language will be used in the class-room to some extent.

III. Reading and Conversation. The English language will be used only where the explanation would call for unfamiliar Dutch terms. Reading of some classic of the nineteenth century. Some composition. Three hours per week.

IV. A continuation of III.

Note:—If there should be sufficient demand for them, other courses will be added.

EDUCATION

Professor Heemstra

I. History of Education. A general survey of the development of educational aims, methods, tendencies and institutions, through ancient, medieval and modern times, showing especially the relation of the educational movements of the past to those of the present time. Required of all candidates for the First Grade Teacher's Certificate. Open to all students. Given in 1923-24, first semester. Three hours.

II. Principles of Education. Education considered from the biological, psychological, and sociological standpoints. Representative topics: Instincts, habits, heredity, culture epochs, individual differences, suggestion, training of mental and motor activities. Required of candidates for the First Grade State Teacher's Certificate. Prerequisite, Psychology I-II. Given in 1923-24, second semester. Three hours.

III(a). Methods of Teaching. Theory and observation. General and special methods of teaching, with special reference to the teaching of High School subjects. Also the consideration of problems of discipline and class-room management. Observation in the schools of the city. Three hours a week. Required of candidates for the First Grade State Teachers' Certificate. Prerequisites, I-II. Open to Juniors and Seniors. Given in 1923-1924. First semester, three hours.

III(b). Practice Teaching. A minimum of seventy hours of practice teaching is required,

for which credit will be given on the basis of laboratory periods. Teaching will be provided in the Short Courses and the Academy. Prerequisites, I-II. Open to Juniors and Seniors. Given in 1923-1924. Two semester hours credit.

IV. School Supervision. Problems of school organization and administration. Study of school laws. Functions of officials, supervisors, and teachers. Making and administration of course of study. Examination of text-books. Study of discipline; records and reports, and extension of school activities. Open to Juniors and Seniors. Given in 1923-1924. Second semester. Three hours.

V. Educational Psychology. This course deals with the mental development of the child. A study is made of the instinctive responses and the mental characteristics of the child at various ages. The mental processes of the child are also studied through practical tests and experiments with children. Prerequisites, I-II. Open to Juniors and Seniors. Given in 1923-1924. First semester. Three hours.

VI. Educational Tests and Measurements. A study of general intelligence tests, and also of standardized tests and measurements in various school subjects. Open to Juniors and Seniors. Given in 1923-1924, second semester. Three hours. Education V, prerequisite.

VII. Scientific Study of Education. A general study of the problems of education, introducing the student to the sources of information regarding these problems and the methods of studying them. Open to Sophomores and upper classmen. Given in 1924-1925. First semester. Two hours.

VIII. Social Aspects of Education. A consideration of education as a social process; the

relation of the school to the problems of the home, the community, and the state. A study of the extension of school activities. Open to Sophomores and upper classmen. Given in 1924-1925. Two hours.

IX. The High School Student. A study of the various facts leading to a clearer understanding of high school pupils. A study of adolescence. The physical development, age, interests, and capacities of youth as related to the problems of school work. Open to Sophomores and upper classmen. Given in 1923-1924. Two hours.

X. The High School. A study of secondary education in the United States and other countries. The development and place of the high school in our educational system. Present tendencies in the administration, aim, and methods of the high school. Its relation to the college. Open to Sophomores and upper classmen. Given in 1923-1924. Two hours.

XI-XII. Methods of Teaching in Elementary School. Theory and observation. A study of classroom management, and the problems of discipline and attention. Types of learning—classification of pupils—courses of study—measuring results. Required in the two year normal course. Given in 1923-1924. Two hours. First and second semesters.

If Education is selected as a major subject, the student is expected to take Psychology I-II, and twenty four hours in Education, which must include Courses I, II, III, IV, and VI.

For regulations regarding the First Grade State Teacher's Certificates, and the Two Year Normal Course, see Paragraph on State Certificates.

Courses I, II, and III are required for the First Grade State Teacher's Certificate.

ENGLISH

Professor Graham

I-II. Freshman English. Required of all Freshmen. Three hours per week, first and second semester.

III-IV. Argumentation and Debating. Required of all who would enter inter-collegiate debates. Two hours per week, first and second semesters.

V-VI. American Literature. Study of the "Transcendental Period." Three hours per week, first and second semesters. Given in 1923-1924.

VII-VIII. Browning, Tennyson and Bible Literature. Three hours per week, first and second semesters. Given in 1923-1924.

IX. Shakespeare and the Drama. Three hours per week, first semester. Given in 1924-1925.

X. The Novel. Study of the development of the novel. Three hours per week, second semester. Given in 1924-1925.

XI-XII. Anglo Saxon, Middle English, Language History. Required of all who major in English. Three hours per week, first and second semesters. Given in 1924-1925.

XIII-XIV. Current Literature. Study of present day fiction, essay, drama, and poetry. Three hours per week, first and second semesters. Given in 1924-1925.

XV-XVI. Survey Course in English Literature. Three hours per week, first and second semesters. Given in 1923-1924.

EXPRESSION

Miss Watson

Certificate Course

Expression	12 credits
Expression, private	8 credits
English	24 credits
Electivess.....	14 credit

Electives may be chosen from: French, Psychology, History.

A student may major in Expression for the A. B. degree. The four extra credits needed in Expression will be given in private instruction.

I-II. Fundamental principles of expression. Vocal principles studied; cultivation of the imagination. Platform deportment; approach and exit; correct standing and movements. The student is taught to think and feel before an audience. Platform recitation for criticism. Two hours a week throughout the year.

III-IV. Vocal principles continued. Flexibility and Power of voice. Study and delivery of different forms of literature with special attention to the dramatic. Detailed study for presentation, before class, of two or more one-act plays with regard to interpretation of character, stage deportment and dramatic action. Two hours a week throughout the year. Course I-II prerequisite. Given in 1923-24.

V-VI. Study and vocal interpretation of poetry and selected parts from orations. Study of Bible selections for mental grasp of thought and its expression through the voice. Study of one of Shakespeare's plays or a modern drama with a view to public presentation. Two hours per week throughout the year. Course I-II prerequisite. Given 1924-1925.

All candidates for graduation must appear in one play given by the Expression Department and in the Senior year give an evening's recital.

Students are allowed to appear before the public in other recitals when sufficiently advanced to present finished work.

Student recitals will be given once a month to which only Expression students will be admitted.

FRENCH

Professor Lee

I-II. Elementary grammar. Reading of several easy, modern texts. Attention given to pronunciation. Practice in writing and speaking in connection with the daily exercises. Four hours per week throughout the year.

III-IV. Reading of more advanced texts. Loti, Hugo, Balzac, Dumas, Moliere, and others. Grammar review and study of verbs. Four hours per week throughout the year.

V-VI. History of French Literature. Reading of Drama and Fiction. Three hours a week throughout the year.

GERMAN

Professor F. Bosch

I-II. Beginner's German. Text Book: Zinnecker's Deutsch fuer Anfaenger. The chief aim of this course is to help the student to acquire a fair reading knowledge. A few stories of Baumbach may be read, as the progress of the students may permit. Four hours.

III-IV. Easy German stories and plays by Stern, Wildenbruch, Storm, Schiller are read and used as basis for review and advance study

of grammar. Boezinger's "Muendliche and Schriftliche Uebungen" is used as a guide for oral and written exercises. Four hours.

V-VI. The choice for literary reading in this course is somewhat influenced by the fact that many students are content with three years of foreign language study. Such should in a measure become acquainted with the great masters in German literature. The first semester will be given to a study of Schiller's life, works and the reading of such selections as "William Tell", "Die Jungfrau von Orleans", while the second semester will be devoted to a study of Goethe and reading of such productions as "Hermann and Dorothea" and "Egmont". Oral and written exercises are continued. Four hours.

VII-VIII. Scheffel's "Ekkehard" is read. One hour per week is devoted to History of German Literature, following the outlines of Keller's "Bilder aus der Deutschen Literatur", supplemented by lectures and readings of older literature. In the second semester Lessing's "Nathan der Weise" is read and the study of History of literature continued. In this course the student will become acquainted with an anthology of the best German lyrics and ballads. Occasional essays are required. Three hours.

IX-X. Modern German Classics. A critical and analytical study of such modern classics, as dramas by Grillparzer, Fulda, Ludwig or novels by Heyse, Sudermann and others. Rhetorical and written exercises. Three hours.

XI-XII. This course is especially intended for students who prepare either for the ministry among German-speaking people or for teaching the German language. Two hours per week are used in reading both parts of Goethe's

Faust and one for exercises in writing and public speaking. Three hours.

XIII. Upon request a semester's study on "Volksschriftsteller Christlichen Sinns and geistliche Liederdichter" may be substituted for semester XII.

GREEK

Professors Bosch and Lee

1-2. For those who have had no Greek at all before entering College. For the introductory grammar we use White's First Greek Book. Reading of selections from the Anabasis.

I. Xenophon's Anabasis. Reading and constant drill in the grammar. Four hours per week.

III. Lysias. Reading of selected orations. Four hours per week.

IV. Plato. Apology, Crito and parts of Phaedo. Four hours per week.

V. Demosthenes. On the Crown. Four hours per week.

VI. Herodotus. Selections from the History of Herodotus. Sophocles. Antigone or Ajax. Four hours per week.

VII. The Greek of the New Testament. Comparison of the Koine of New Testament times and the classical Greek. Two hours per week.

VIII. New Testament and Church Greek. Two hours per week.

HISTORY

Professor Firth

The department of History aims to give the student a comprehensive knowledge of histor-

ical facts, to cultivate the historical imagination, to develop a broadminded sympathy with peoples of races other than our own, and to furnish training in the use of the excellent library which the College possesses.

I. History of Western Europe. From the decline of the Roman Empire to the opening of the Italian Renaissance. Movements of races, the rise of modern languages, struggles of Papacy and Empire, the Crusades, social and industrial conditions. Four hours, first semester. Freshman and Sophomore years.

II. The Renaissance, the Reformation, and the Rise of Absolute Monarchies. A continuation of History I, dealing largely with the artistic, religious, and political events in Europe between the years 1250 and 1648. Four hours, second semester. Freshman and Sophomore years.

III. Europe from 1648 to 1815. The English Revolution, the French monarchy, state of European society, the French Revolution, the Napoleonic era, the Congress of Vienna. Three hours, for those who have had History I and II. Given in 1923-1924.

IV. Europe from 1815 to the Present Time. Readjustments after the Congress of Vienna, growth of nationalism and of constitutional government, progress toward democracy, social and industrial development, the Great War. Three hours. Given in 1923-1924.

V-VI. American History. A survey of American history with special emphasis on certain phases of the subject, such as, the making of the Constitution, slavery and its consequences, industrial development, America in world politics. Three hours, two semesters. Open to all classes. Given in 1923-1924.

VII-VIII. English History. Saxon England; the Norman Conquest; parliamentary government; the Reformation! political and religious wars; colonial, commercial, and industrial expansion; cabinet government; development of democracy and imperialism; Great Britain in the Great War. Three hours, two semesters. Open to Juniors and Seniors. Given in 1924-1925.

IX-X. Ancient History. The civilization of the early eastern nations from Egypt to Persia. Greek history noting especially the artistic, political, and intellectual development of the people. Survey of Roman history with emphasis on the period of the later Republic and the early Empire. Three hours, two semesters. Open to all classes. Given in 1924-1925.

XI. Historical Method. A study of historical criticism. Work in original sources. The writing of history. Three hours, one semester. Open only to those who are majoring in history. Given on demand.

LATIN

Mrs. Pietenpol

I. Cicero de Senectute and de Amicitia. Five hours per week, first semester. Rapid reading of these treatises, four hours per week. Prose composition and syntax, one hour per week. Freshman year.

II. Livy—Books XXI and XXII. Rapidity in reading, with practice in sight reading. Parts of Ovid read and a play of Plautus. Five hours per week, second semester. Reading four hours per week. Prose composition and syntax one hour per week. Freshman year.

III. Horace—Odes and Epodes or Satires and Epistles. Terence's Phormio. Prose com-

position and syntax. Three hours per week first semester. Sophomore year. Prerequisite, Latin I and II.

IV. Tacitus—Agricola: Roman Comedy, Plautus or Terence. Prose composition and syntax. Three hours per week, second semester. Sophomore year.

V. Roman Satire—Juvenal. Three hours per week, first semester. Prerequisite, III-IV.

VI. Writing of Latin. Course for advanced students, given for those who expect to teach Latin, with view of developing Latin style. Second semester.

VII. Lucretius—De Rerum Natura. Course in poetry and philosophy for advanced students.

VIII. Teaching of Latin. A teacher's course for advanced students. Grammar review; special study of Latin syntax; methods of teaching Latin. Second semester.

Note:—All of these courses will not be given in a single year.

MATHEMATICS

Professor Pietenpol

5a Higher Algebra. A course in higher Algebra which is equivalent to the third semester Algebra is offered for those not having an entrance credit in this subject and who wish to prepare for Course II. No credit for graduation is counted for this course until Course II has been satisfactorily completed. Credit not to count on a major. First semester. Three hours a week.

6a. Solid and Spherical Geometry. For those not presenting an entrance credit in this

subject. Credit not to count on a major. Second semester. Three hours a week.

I-II. Unified Mathematics. A course in elementary Mathematics adapted to the needs of students in the Freshman year. The material covered includes the essential and vital features of the work commonly covered in separate courses in college algebra, trigonometry and analytical geometry. First and second semesters. Freshman year. Four hours a week.

III. Differential Calculus. Theory of limits; higher derivatives; maxima and minima; exponential, circular, and hyperbolic functions; rates, practical applications with special reference to physics. First semester. Sophomore year. Four hours. Prerequisite, Courses I and II.

IV. Integral Calculus. Review and completion of differential calculus; methods of integration; processes of summation; differential equations; graphical calculus and practical problems. Second semester. Four hours.

V. Differential Equations. A first course in the solution of ordinary differential equations. Four hours a week. Prerequisite, Courses III and IV.

VI. History of Mathematics. This course is intended primarily for those who are planning to teach mathematics. Cajori's History of Mathematics is used as a guide. Four hours a week. Prerequisite, Courses III and IV.

VII. Teaching of Secondary School Mathematics. Methods of teaching the fundamental concepts of algebra and geometry that present special difficulties. A study of the recent developments in mathematical education. Four hours a week.

VIII. Descriptive Astronomy. A non-mathematical presentation of the facts and theories of astronomy. Four hours a week. Prerequisite, Courses I and II.

PHYSICS

Professor Pietenpol

I-II. General Physics. A second course in Physics intended to acquaint the student with the fundamental principles of mechanics, heat, sound, light and electricity. Three recitations and two laboratory periods of actual experimentation per week throughout the year. Open to students who have completed a course in elementary physics and Mathematics I and II.

The following courses will be offered as soon as sufficient demand for them arises.

III-IV. Advanced Mechanics. This course is designed for those preparing for engineering courses and deals especially with those principles of mechanics which are most necessary to the engineering course contemplated. Lectures and laboratory work through the year. A knowledge of calculus is essential.

V-VI. Advanced Electricity. This is a course in advanced electricity and magnetism and involves a careful study of the properties of direct and alternating currents, and the types of machinery and instruments used with each. Careful attention is given to the measurements of currents and resistance. A knowledge of calculus is essential for the mathematics involved. The work is designed to fit one for an electrical engineering course. Lectures and laboratory work through the year.

PHYSICAL EDUCATION

It is the aim of this department to supply such physical work as will overcome the baneful effects of close application to mental work and to promote the highest physical efficiency of the students.

Requirements

All Freshmen and Sophomores are required to take two hours of physical training a week. Students must register for physical training upon entering college and complete two years work, unless excused by action of the faculty.

Athletic Teams

The college is represented by teams in the following sports: football, basketball, baseball, track and field athletics. Faithfulness and intelligence in training and practice count as much in securing places on the teams as individual brilliancy and natural ability. Tennis is also given a large place.

It is the desire of the department to stress intra-mural athletics. Inter-class games tournaments are held in basketball and baseball, with the view to having all students line up with some form of athletic activity.

The College is identified with the Iowa Inter-Collegiate Athletic Association and the athletics are under the direction of the Physical Director in conjunction with an advisory committee of the faculty.

PSYCHOLOGY

Professor Heemstra

I-II. General Psychology. A general course designed as an introductory course to the whole subject. Study of texts, experiments, assigned readings, and lectures. Open to all students.

Prerequisite for courses in Education and required for the First Grade State Teacher's Certificates. Given in 1923-1924. Three hours.

III. Educational Psychology. See Education V. Open to Juniors and Seniors. Three hours.

PHILOSOPHY

Professor Mulder

I-II. History of Philosophy. The course covers the development of philosophic thought from ancient to modern times. The effort is made to make the work as concrete and simple as possible, and to connect it with other interests of life. The student is familiarized, to a degree, with the more important philosophers, and their theories of the world. Psychology I and II is a prerequisite. Three hours throughout the year. Not offered in 1923-1924.

III. Problems of Philosophy. This course must of necessity be very sketchy. It is designed for beginners in the subject of pure philosophy, and takes up those problems which have been the subject of philosophic consideration almost from the time of the beginning of speculative thought. Psychology I and II are prerequisites. Three hours, first semester. Offered in 1923-1924.

IV. Philosophy of Religion. The aim is to acquaint the student with the value of religion. Religion is studied in connection with morality and social development, its relation to art and civilization are set forth, effort is made to connect it with science and philosophy, and a conclusion is reached as to whether religion has been a helpful influence or not in man's development. Three hours per week, second semester. Open only to students who have had

Psychology and some Philosophy. Offered in 1923-1924.

V. Ethics. This is the student's introduction to the philosophy of moral life. The course covers the more important theories of morals so that the student may analyse, compare, and criticize them. Both theory and practical morality are discussed. Supplemental reading is required, and the student is expected to prepare one thesis on an assigned subject. Three hours, first semester. Open to Juniors and Seniors.

VI. Evidences of Christianity. The purpose of this course is to give the student a "reason for the hope that is in him." It aims to send the truths of Christianity to the mind with such force that the student will be able to counteract the efforts of rationalism and modernism. The course begins with the consideration of the Christian View of the World contrasting it with the views of materialism, agnosticism, pantheism, and evolution. It studies next the centrality of Jesus Christ and enters carefully into the matter of the miracles of Jesus. The course closes with a study of the evidence of Christian experience. Three hours, second semester. Given in 1922-23.

A student can secure the necessary 24 hours of credit to major in Philosophy by taking all the catalogued Philosophy courses and Psychology I and II.

SOCIAL SCIENCE

Professor Firth

I-II. Economics. An introduction to economic theory. Study of economic terms, wealth, rent, interest, value, etc., with an investigation of the laws which govern economic life.

Reports by students on personal study of problems of present economic interest. Three hours through the year. Open to upper classmen. Given in 1924-1925.

III-IV. Sociology. An elementary study of the subject of human relationships. The course includes text-book work, class reports on various topics, and a thesis on some subject which the student has thoroughly investigated. Three hours through the year. Open to upper classmen. Given in 1923-1924.

V. American Government. The Constitution, the President, Congress, Supreme Court, State Governments. This is a practical course in the government of the United States. Two hours, first semester. Given in 1923-1924.

VI. Practical Politics. This course deals with political parties in the United States, makes a study of their platforms, policies, and methods of work, and seeks to lead the student to an intelligent and right-minded citizenship. Two hours, first semester. Open to all students. Given in 1924-1925.

VIII. Political Science. An investigation of the nature and functions of the state with a study of the various forms of government. The course includes a study of such subjects as suffrage, citizenship, and whatever pertains to state life. Two hours, second semester. Open to all students. Given in 1924-1925.

IX-X. World Politics. A study of the diplomatic relations of modern states. Open to advanced students. Two hours, 1924-1925.

XI. International Organization. An examination of the attempts of governments of independent states to work in harmony, from the times of the Greek cities to the League of Nations. Open to advanced students. Two hours, first semester, 1923-1924.

SPANISH

Professor Lee

I-II. Elementary Spanish Grammar. With oral and written composition. Roessler and Remy's Reader, followed by texts of average difficulty. Four hours a week throughout the year.

III-IV. Advanced work in Grammar. Reading of more difficult texts from the works of Alarcon, Calderon, Cervantes, Galdos, Valdes or Valera. Three hours a week throughout the year.

V-VI. To students desiring to pursue Spanish during the third year some of the more modern writers will be studied. Commercial correspondence if desired. Three hours a week throughout the year.

VOCAL INSTRUCTION

Mrs. T. H. Liggett

1. Voice. College credit to the amount of eight semester hours may be received for private lessons in voice.

2. Public School Music. There is a constantly increasing demand for teachers and supervisors of Public School Music and it is to meet this demand that Central College offers the following two-year's course.

First Year: Includes Study of the Child Voice; Sight Singing; Subject matter to be used and Methods employed in teaching from Kindergarten through the grades.

Second Year: Includes Subject Matter and Methods in High Schools. Also Music Appreciation; Choral Clubs, Band and Orchestra as related to the work in the Public School.

See more detailed statement under Department of Music on pages 72-3.

THE ACADEMY

General Information

ADVANTAGES

Central Academy is a first-class secondary school. It is affiliated with the College in spirit and methods of work. It occupies the same grounds, uses in part the same buildings and is under the same general management.

The Academy will thus prove a splendid place for those preparing for college as well as those who, finding it utterly impossible to secure a college education, want a well-balanced academic training. It will be a good place for young people of high school age, since they will thus pass their early formative years in the educational atmosphere created by the college and may develop their character in the midst of spiritual influences that will help towards a better life.

Moreover, those who for any reason have temporarily withdrawn from school work, and who on account of age and other considerations, hesitate to return to the high school, will find Central Academy the place for recovering lost opportunity and will be given all possible aid in securing the desired education.

GOVERNMENT

In the administration of the government of the Academy the aim will be, as in the College, to lead students to regard themselves as responsible for good order. Training in self-government is a part of an academic education. Breach of good academic order will be followed by deprivation of the privileges the Academy offers. Persistent disorder, and also per-

sistent idleness, will result in a request to parents or guardians that such students be withdrawn from the Academy. Students leaving the Academy must request honorable dismissal, which is granted only by vote of the Faculty.

ADMISSION

All candidates for admission should present themselves promptly at the opening of the year, with a record of previous work, showing studies taken and the time spent upon the various subjects.

To those asking advanced standing in the Academy credit will be given by previous work done in other similar institutions. All students are on trial and if the class-room work shows poor preparation, inadequate for the assigned class, the student will be required to take such reviews and reassignment of standing as may seem best to the Faculty.

REGISTRATION

The days appointed for admission and registration are those indicated in the College Calendar. New students should, if possible, present themselves to the Registrar on the first day appointed for the admission of students.

GRADUATION

All graduates or matriculates from the Academy are required to write an oration. The subject of the production must be decided upon not later than April 1st and reported to the Head of the English Department. The completed work must be handed in by May 15th preceding graduation. The production must contain from one thousand to fifteen hundred words.

THE CURRICULUM

I. The whole amount of work required to complete the Academy course consists of 16 units. The following are the uniform requirements:

Bible	1 unit
English	3 units
Algebra	1 unit
Plane Geometry	1 unit
Natural Science	1 unit
History or Civics	1 unit
Electives	8 units

The electives may be chosen from Language, History, Science, Mathematics, Commercial Subjects, History of Music, Harmony, Bible and Expression.

Description of Courses

BIBLICAL LITERATURE

Professor Mulder

The aim of Bible study in the Academy is to acquaint the student more thoroughly with the Biblical history, together with such additional information relative to political, religious, and social conditions prevalent at given periods of the history, as shall make the student gain a more thorough appreciation of the Bible narrative. There are no textbooks used in the Academy, for the work is done by the student on the basis of typewritten outlines furnished them. The effort is to cover the Bible history in the four year of Academy work. Every student is required to take Bible for one hour of every week during the year.

1-2. This course covers the history given in the Pentateuch.

3-4. In the second year we cover the history from Joshua through II Samuel.

5-6. In the third year the work covers the period from I Kings through Esther, with portions of the prophets of the captivity.

7-8. In the fourth year the student is acquainted with the inter-testamentary history and, in rapid survey, covers the life of Christ and Apostolic history.

BOOKKEEPING

Miss Van Nimwegen

The method of instruction in bookkeeping is individual work. Every student performs his own work independently and his progress depends upon his own efforts. The course begins with the most simple problems gradually becoming more complicated and includes drafts, etc. The bookkeeping is according to the most up-to-date and approved methods in the field of business education.

CHEMISTRY

Professor Liggett

1-2. Inorganic Chemistry. Recitation and laboratory work. The aim is to acquaint the student thoroughly with the foundations of chemical knowledge and in the laboratory to familiarize him with the most approved methods of chemical manipulation. Much credit will be given for excellence in laboratory work. Three recitations and two laboratory periods weekly.

DUTCH

Rev. H. J. Walkotten

1. Beginner's Dutch. A very elementary course. A careful study of the Dutch sounds,

especially where they differ from anything we have in English. Considerable conversation, drill in idioms and vocabulary. Reading of simple prose.

2. Beginner's Dutch. A continuation of Course 1.

ENGLISH

Miss Emma Reeverts

Candidates for admission to the English classes of the Academy must present satisfactory credits in eighth grade work or pass an examination. Any student who proves to be deficient in the use of English will be required to take work in grammar in addition to the regular courses.

1-2. English Composition, Grammatical Analysis, Word Analysis. The composition work is given two hours a week during the entire year; the analysis study is given three hours a week through the year. Required Freshman work.

3-4 Rhetoric and the Study of Classics. Rhetoric is studied three hours a week during the first semester and two hours a week during the second semester. The classics in English and American literature are studied twice a week during the first semester and three hours a week during the second semester. Required Sophomore work.

5-6. English Literature. Text, "Twelve Centuries of Prose and Poetry." The historical setting is studied from Long's "History of English Literature." Required work for the third or fourth year. Course for 1924-1925.

7-8. American Literature. A study of the history of American Literature and extensive

outside reading. Elective. Course for 1923-1924.

EXPRESSION

Miss Watson

1-2. Interpretation of the Printed Page. Short selections studied and the student taught to comprehend while ideas are being spoken. Cultivation of the imagination. Selections memorized and given before class for criticism. Two hours a week throughout the year.

FRENCH

Professor Lee

1-2. An Elementary Course. A careful study of phonetics and grammar. Written and oral composition. Five hours per week throughout the year.

3-4. Second Year. Review of Grammar. Use of suitable reading texts. Five hours per week throughout the year.

GERMAN

Professor Bosch

1-2. First Year German. A beginning course. Great stress is laid upon the fundamentals of the language. Grammar, composition, and translation. Five hours per week throughout the year.

GREEK

Professor Bosch

Students who wish to specialize in Greek will be given an opportunity to begin this study

in the third Academy year provided they have had at least one year of Latin.

1-2. In addition to the usual grammar lessons, some practice in reading Greek. This year White's First Greek Book is used. Five hours per week.

3-4. Reading of Zenophon's Anabasis. Continuous review of the rudiments of grammar. Some composition and sight reading. Five hours per week.

HISTORY

Miss Van Nimwegen

The courses in Academy History have been arranged with reference to the requirements of the State Department of Public Instruction. Much of the material in the history section of the library has been selected to meet the needs of students preparing for teaching, as well as to give the general student opportunity to do a high grade of work.

1. Ancient History. A brief review of the oriental nations with a more detailed account of the history of Greece and Rome. Five hours, second semester.

2-3. Medieval and Modern History. From the decline of the Roman Empire to the present time. Five hours throughout the year.

4-5. American History and Civics. Recitations with drill in the use of sources and topical investigations. Five hours per week throughout the year.

LATIN

Mrs. Pietenpol

1-2. Beginner's Latin. A standard text is used throughout the year. Stress is laid upon

the fundamentals of the language. Frequent reviews and drills are given. Translation of short selections in the second semester. Five hours per week.

3-4. Caesar's Gallic Wars. Books I to IV. Prose composition, one hour a week. Five hours per week throughout the year.

5-6. Cicero. Orations I, II, III and IV against Catiline, orations in favor of Archias and the Manilian Law. Prose composition, one hour a week. Five hours per week.

7-8. Vergil's Aeneid. Books I to VI. Sight reading and metrical analysis. Review of grammar. Work in mythology given throughout the course. Five hours per week throughout the year.

Note:—Courses 5-6 and 7-8 will be given in alternate years.

MATHEMATICS

Miss Clara Reeverts

1-2. Algebra. Beginning course in the study of Algebra. Mastery of elementary processes with accuracy and rapidity is the chief aim. First year Academy, five hours per week throughout the year.

3-4. Plane Geometry. The fundamental propositions of Geometry are demonstrated and discussed. Emphasis is laid upon original problems and demonstrations. Prerequisite, Course 1-2. Five hours per week throughout the year.

5. Algebra. A continuation of Course 1-2. Preparatory course for College Algebra. First semester. Five hours per week.

6. Solid Geometry. The course includes the study of lines and planes in space, the polyhedron, cone, cylinder and sphere. Prerequisite,

Courses 3 and 4. Second semester. Five hours per week.

PHYSICS

Miss Clara Reeverts

1-2. Elementary Physics. A thorough course in the elementary principles of physics, consisting of recitations and laboratory work. Three recitations and two laboratory periods throughout the year. The student who registers for this course should have had Courses 1, 2, 3, and 4 in Mathematics.

GENERAL SCIENCE

Miss Emma Reeverts

1. General Science. An introduction to giving a presentation and elementary principles of a wide range of subjects—physics, chemistry, botany, zoology, physiology, physiography, forestry, agriculture, and their application to problems of every-day life. Five hours per week, first semester.

CONSERVATORY OF MUSIC

George Francis Sadler, Director

Faculty

GEORGE FRANCIS SADLER
Piano and Pipe Organ

MRS. T. H. LIGGETT
Voice and Public School Music

CARL WOODFORD
Violin

GENERAL INFORMATION

The Conservatory of Music is especially fortunate, because it is intimately associated with Central College and enjoys all its social, religious and intellectual advantages. As the course of study laid down in colleges and seminaries of learning is not intended to give a knowledge of any one branch alone, but to broaden the student with such an intellectual development as will establish a substantial basis for future attainments, so in the Conservatory the course has been planned with reference to securing that symmetrical development of the musical faculties which is essential to the true musician, whether teacher or artist.

Central Conservatory is persistently advocating the work of preparation for the practical knowledge of the science of musical composition which is necessary to an intelligent appreciation of musical masterpieces.

The Conservatory rooms are located at the south end of the large gymnasium building.

There are ten rooms with sound-proof walls. These rooms are used for teaching and for practice. Students may rent hours on piano or practice-organ at a small fee. Beginners and all grades of pupils are accepted in any branch of work. A student may pursue any branch of music along with his College or Academy work. All students are considered UNCLASSIFIED before entering Freshman Music.

COURSE OF STUDY LEADING TO THE DEGREE BACHELOR OF MUSIC

Freshman—

- Piano, Voice, Pipe-Organ or Violin, 72 private lessons.
- Harmony I and II.....4 hours
- Music History I and II.....4 hours
- Expression4 hours
- Bible4 hours

Sophomores—

- Piano, Voice, Pipe-Organ or Violin,72 private lessons.
- Harmony III and IV.....4 hours
- Or
- Public School Music III and IV..4 hours
- Analysis I and II.....4 hours
- College work (Elective).....8 hours

A Certificate is given at the end of the Sophomore year.

Junior—

- Piano, Voice, Pipe-Organ or Violin, (Major Subject) 72 private lessons.
- Piano, Voice, Pipe-Organ or Violin, (Minor Subject) 72 private lessons.
- (Piano must be either the major or minor subject).

Analysis III and IV.....4 hours

College work (Elective).....8 hours

Pupil must give a public recital in the Major Subject.

Senior—

Piano, Voice, Pipe-Organ or Violin,
(Major) 72 private lessons.

Piano, Voice, Pipe-Organ or Violin,
(Minor) 72 private lessons.

College work (Elective).....6 hours

Pupil must give public recital in Major Subject.

PREREQUISITE FOR DEGREE COURSE

Graduation from an accredited High School or Academy and for Major work in

Piano—Pupil must have had Major and Minor scales and Arpeggios. Be able to play Mozart Sonatas and Bach Two Part Inventions.

Pipe-Organ—The same as for Piano. All prerequisite work in organ is done on piano.

Voice—Student must have the equivalent of one year of vocal study of High School grade of one lesson per week, and sufficient natural ability, both musical and vocal, to warrant special study in this branch.

Violin—Major and Minor scales in three Octaves. Kayser Etudes or their equivalent in other Studies. Student Concertos by Seitz or their equivalent in other solos.

Students who wish to take Music alone and not any academic work will receive, at the end of the Sophomore year, a statement of the work done and a recommendation as to proficiency, from the Instructor in the Major Subject.

PIANOFORTE

I. It is essential that the student develop perfect control of the muscles of the fingers,

hands and arms, making them responsive to the command of the will. Technical exercises which will bring about this development are given according to the demands of the individual.

II. Etudes by the best composers and teachers.

III. Ensemble playing. Compositions by ancient and modern composers, aesthetic development.

Information regarding a course in Piano-forte is not easy to give since the course varies more or less for different students according to their personal needs.

PIPE ORGAN

The organs in the several churches are used by the Conservatory of Music. This affords us the rare opportunity of preparing our students for church organ positions and concert work.

The demand for church organists is very great and special prominence is given to the department of instruction. Practice hours can be arranged for by conferring with the Director. The plan of work provides for thorough training in all that pertains to a mastery of organ, systematic drill in technic, registration, the art of improvisation, accompaniment, etc.

VOICE

Voice may be studied either for College Credit or merely for its cultural value. In vocal instruction we endeavor to combine the modern scientific methods now used by America's most successful teachers, with the best contributions of the teachers of the Old Schools.

Special attention is given to freeing the vocal mechanism from physical restraint, to gain

proper voice placement, clear diction and correct singing habits. Suitable songs are studied, through which the student learns to apply these fundamental principles.

I-II. One or two private lessons per week and one hour daily practice. One or two credits per semester.

III-IV. Advanced Vocal Study. One or two private lessons per week and one hour daily practice. One or two credits per semester.

PUBLIC SCHOOL MUSIC

Courses in Public School Music use the following texts: Condon Primers, Hollis Dann Music Course, Progressive Music Series, Lyric Music Series and the library provides abundance of supplementary material.

I-II. First Year: Includes Study of the Child Voice; Sight Singing; Subject matter to be used and Methods employed in teaching from Kindergarten through the grades. Opportunities for observation and practice teaching are given in the first year. Two recitations per week, two credits.

III-IV. Second Year: Includes Subject Matter and Methods in High Schools. Also Music Appreciation; Choral Clubs, Band and Orchestra as related to the work in the Public School. Practice teaching is done throughout the year. Two recitations per week, 2 credits.

VIOLIN

The course in violin playing is designed to aid the student to acquire, as soon as possible, a smooth singing tone and a capable left hand. The individual needs of the student are considered in the use of teaching material and methods of instruction.

Opportunity for ensemble playing will be given to those sufficiently advanced.

HARMONY

I. Scales, Intervals, Chords, Written and Keyboard work. Part writing from given sopranos and basses. Transposition. Cadences at Keyboard.

II. Chords of the Seventh and Ninth. Passing and Changing Notes. Anticipation. Original writing, keyboard work.

III. Augmented and Altered Chords, Suspensions, Retardation, Appoggiaturas, Modulations at Keyboard, Original work.

IV. Chants and Chorals, Modulations, Original writing, Written and Keyboard work.

MUSIC HISTORY

I. A Course in the Evolution of the Art of Music. The beginning of Music, Systems of Notation, Music of the Ancient World—Egyptians, Greeks, Oriental Races, early Christian Music, Troubadours, Minnesingers, Meistersingers; Influence of the Church, French, Gallo-Belgic, Netherlands, Italian Schools. Development of Instruments, the rise and progress of Opera and Oratorio. Instrumental music.

Text, Lessons and Lectures are given continually. Current news from the leading Music magazines at each lesson.

II. History of Opera—German, French, Italian. Romantic Composers. Relation of Music to other Arts. Musical criticism. Biography of great musicians. Lectures given. Topics assigned pupils for papers. Outside reading required. Current news.

ANALYSIS

I. Rhythms, Motives, Phrases, Periods, Cadences, Accent, Key relationship, Simple forms, Written and Keyboard work, original compositions in simple forms, Analysis of hymns and simple compositions, ear training.

II. The Sonata and greater Rondo Forms, Fugue, Analysis of Beethoven Sonatas, Analysis of works of Mozart, Haydn and Bach.

III. Study of Grand Opera Scores. Wagner and Verdi.

IV. Study of Modern Opera. Study of Oratorio.

CHILDREN'S DEPARTMENT

Special rates are made in piano to children ten years and under.

RECITALS

Public recitals are given by the students at which they perform such pieces as are assigned them by their teachers, for the purpose of giving them ease and self-control in public. Studio recitals are held every two weeks, to which only the music students are admitted.

LIBRARY

The Conservatory has secured a large library of sheet music for the piano and voice department including all the best works of almost all of the composers of any repute, classical or modern, and a large selection of technical studies. The music is all carefully bound and cared for. This is a great advantage, as it saves the time of both teacher and pupil in being able to obtain what is needed at a lesson

and not having to wait to send to a publisher or music house. A small library fee is charged each student and all of the music throughout the course is furnished.

MUSICAL ORGANIZATIONS

Glee clubs, orchestra, quartets and church choir work are open to those who are desirous and capable of doing such work. The positions are secured by competition. Central Conservatory of Music has established a splendid reputation for work in this line and great emphasis is laid upon this phase of the work. Piano students are given ensemble playing throughout the course.

CHRONOLOGICAL TABLE

- 1853—Resolution adopted by unanimous vote of a state convention of Baptists to locate an institution of higher education at Pella.
- 1854—Opening of the Academic Department in temporary quarters in town under the Principalship of Dr. E. H. Scarff.
- 1856—Central Hall opened for use.
- 1857—Rev. Elihu Gunn, M. A., D. D., inaugurated as first President.
- 1858—Mrs. D. C. Stoddard appointed Principal of the Ladies' Department.
First Freshman class entered.
First Literary Society established—reorganized, in 1873, as the Philomathian Literary Society.
- 1861—Freshman, Sophomore and Junior classes doing regular college work.
- 1861-2 One hundred and twenty-three professors and students enlisted in the army, over forty becoming officers.
- 1865—Professor A. N. Currier returned from the war to resume his work in the College.
- 1866—The trees on the campus were planted.
- 1870—Ten thousand dollars raised as a beginning for the Endowment Fund.
- 1871—Rev. Lewis A. Dunn, D. D., elected President.
- 1872—Organization of the Alethian Literary Society.
- 1873—Reorganization of the First Literary Society into the present Philomathian Society.
- 1875—Organization of the Advansonia Literary Society.
- 1881—On resignation of Dr. Dunn because of failing health, Rev. George W. Gardner, D. D., was elected to the Presidency.
- 1884—Professor R. H. Tripp served as Acting President.
- 1885—Rev. Daniel Reed, LL. D., elected to the Presidency.
- 1886—Dr. Lewis A. Dunn recalled to the Presidency.
Organization of the Biblical Department.
- 1888—On the death of President Dunn, Rev. S. J. Axtell was chosen as his successor.
- 1891—Rev. John Stuart, Ph. D., elected President.
Cotton Hall first opened as Ladies' Dormitory.
- 1893-1901—Erection of the Y. M. and Y. W. C. A. Building.

- 1895—Rev. A. B. Chaffee, D. D., elected President.
- 1899-1900—Professor Asa Bee Bush, Ph. D., Chairman of the Faculty.
- 1900-1909—Rev. L. A. Garrison, D. D., Vice-President and President.
- 1905—Erection of Jordan Hall of Science.
- 1905—Elizabeth A. Graham appointed Professor of English.
- 1906—Erection of Dunn Cottage as home for President.
- 1907—Rev. S. P. Shaw elected Field Secretary and later Chancellor and served until June 1, 1910.
- 1909—Dr. Myron W. Haynes secured to lead movement for securing \$100,000. Dr. Haynes closed his work December 21, 1910.
- 1910—John Lewis Beyl, Ph. D., elected Acting President, May, 1910, and served until June, 1911, when he was elected President.
- 1911—Rev. L. R. Bobbitt elected as Field Secretary. Served until February, 1913, when he resigned to resume his work in the gospel ministry.
- 1911—Death of Dr. B. F. Keables, for fifty-eight years a member of the Board of Trustees, and for many years its Vice-President.
- 1914—John Lewis Beyl, Ph. D., resigned Presidency. John William Bailey, Ph. D., elected President.
- 1916—The College, after sixty-three years of work under the auspices of the Baptists, was transferred to the control of the Reformed Church in America. Henry W. Pietenpol, A. M., appointed Dean and Professor of Mathematics and Physics. Frederick S. C. Bosch, A. M., B. D., appointed Professor of Greek; resigned 1919. Peter Van Beek, A. B., appointed Professor of Latin and Dutch. Latin and Dutch. 1919—Appointed Professor of Greek and Dutch. Thomas H. Liggett, M. S., appointed Professor of Biology and Chemistry. Herman L. Brouwer appointed Professor of Voice; resigned 1917,
- 1917—Rev. B. F. Brinkman appointed Field Secretary; resigned 1920. J. W. Bailey, Ph. D., resigned Presidency. Milton J. Hoffman, D. D., elected President. Miss Nesta Lloyd Williams appointed Professor of Psychology and Education; resigned 1918.

- Clarence Cecil Church appointed Professor of History and Social Sciences; resigned 1918.
 Miss Louise Stallman, A. B., appointed Instructor in Mathematics; resigned 1918.
 Mrs. M. J. Hoffman appointed Professor of Voice; resigned 1919.
 Ada M. Stow appointed Director of the Commercial Department.
- 1918—Jacob Heemstra, A. M., appointed Professor of Psychology and Education.
 Miss Gail Humbert, A. M., appointed Professor of History and Social Sciences.
 Mrs. Ruth Clarke White appointed Instructor in Home Economics; resigned 1919.
 Miss Minnie De Feyter, A. M., appointed Instructor in Mathematics. 1919—Appointed Professor of Latin.
- 1919—Rev. A. Van Arendonk, appointed Field Secretary.
 Margaret Van Niewaal Lauterbach, A. B., appointed Professor of Modern Languages; resigned 1920.
 Harry De Cook, A. B., appointed Instructor in English and History.
 Clara Reeverts, A. B., appointed Instructor in Mathematics.
 Mrs. T. H. Liggett appointed Professor of Voice.
 Carl Woodford appointed Professor of Violin.
- 1920—Miss Josepha D. Meinecke, A. B., appointed Professor of Modern Languages.
 George Francis Lee, A. M., B. D., appointed Professor of Greek.
 Burton H. Woodford, A. M., B. D., appointed Professor of Modern Languages.
 Mrs. H. W. Pietenpol, A. B., appointed Instructor in Academy Latin.
 Miss Mary Stevenson, A. B., appointed Instructor in Home Economics.
- 1921—John R. Mulder, A. M., B. D., appointed Professor of Bible and Philosophy.
 Miss Marie Lippelet, A. B., A. M., appointed Professor of Modern Languages.
 Miss Wilhelmina Van Nimwegen appointed Instructor in Home Economics.
- 1922—F. S. C. Bosch, A. M., B. D., appointed Professor of German.
 Miss Emma M. Reeverts, A. B., appointed Instructor in Academy English.

CERTIFICATES AND DEGREES CONFERRED

June Nine, Nineteen Hundred Twenty Two

Bachelor of Arts

Fox, Ray	Vander Stoep, Arie F.
Gosselink, George	Vander Wal, Ray A.
Grandia, Ruth A.	Van Emerik, Cunera C.
Pals, Hajo	Van Houweling, Gertrude
Rozeboom, Richard	

Bachelor of Science

Mokma, Gerald A.

Academy Certificates

De Haan, Reuben S.	Stuursma, William
Fennema, Catherine	Van Arendonk, Ardean
Keuning, Celia W.	Van de Kieft, Arnold
Miller, Nettie Mae	Vander Hart, Cornelius B.

Certificate in Piano

Frush, Harriet	Kuyper, Magdelene
Gosselink, Nicholas	Smith, Clarice
Hoeven, Eleanor M.	

Certificate in Pipe Organ

Hillyer, Loyde

Commercial Certificate

Neyenesch, Gertrude E.
Van Houweling, Gysbert E.

COLLEGE ROLL

SENIORS

Bosch, Calvin C.....	Pella
Buerkens, Gladys	Pella
De Bruin, Cornie A.....	Pella
De Vries, Benjamin.....	Hickman, Nebr.
Doornwaard, Tena	Sioux Center
Dykstra, Fred	Pella
Flikkema, George.....	Holland, Mich.
Geenen, Cornelius	Sully
Gosselink, Jane	Pella
Klaaren, Aber M.....	Eddyville
Plette, Henriette	Pella
Rozendaal, Henry T.....	Lynnville
Vander Linden, Frances.....	Pella
Vander Meulen, Herman.....	Pella
Vander Meulen, Myrtle.....	Pella
Vander Myde, Isaac.....	Morrison, Ill.
Van Hettinga, Henry.....	Oregon, Ill.

JUNIORS

De Haan, John H.....	Pella
De Kock, Gradus J.....	Pella
Dirks, Herman	Meservey
Frush, Harriet	Pella
Haan, Irene	Pella
Kuiken, Marion	Pella
Kuiken, Peter	Pella
Pettersson, Elsa	Sully
Plette, Lucille	Pella
Reiter, Harvey U.....	Little Rock
Roorda, Angeline	Pella
Rozeboom, Gerrit J.....	Sioux Center
Rozeboom, Helen C.....	Orange City
Rozendaal, Herman	Lynnville
Scholten, Christina	Boyden
Sikkink, Ruth	Lime Springs
Vander Ploeg, Bert.....	Pella

Van Diest, Albert W.....Prairie View, Kansas
 Van Niewaal, Oren S.....Pella
 Van Roekel, Gerrit.....Pella
 Van Wyngaarden, Jacob.....Pella
 Van Zante, Anthony.....Pella

SOPHOMORES

Bauer, Harold.....Clara City, Minn.
 Bloem, EthelPella
 Boom, Thomas.....Litchville, N. D.
 Bruins, Mary Verona.....Pella
 Brunia, William F.....Pella
 Clement, CorneliaPella
 De Haan, Delwin S.....Pella
 Dyk, Bessie.....Strasburg, N. D.
 Dykstra, Gerald P.....Pella
 Engelsman, Edward.....Orange City
 Gosselink, MarthaPella
 Gosselink, NicholasPella
 Goulooze, WilliamPella
 Grant, EdnaPella
 Itzen, John F.....Herman, Minn.
 Johnson, Alfred A.....Pella
 Klein, Harold H.....Pella
 Lautenbach, Lee L.....Pella
 Le Cocq, Frances.....Pella
 Lepeltak, Frances.....Vesper, Wis.
 Nagel, Floyd V.....Preston, Minn.
 Ostendorf, F. Herman.....Meservey
 Popma, NelliePella
 Reeverts, EdnaPella
 Reeverts, LouisPella
 Roelofs, Henrietta E.....Edgerton, Minn.
 Schakel, LeotaPella
 Sessler, Jake J.....Pella
 Slob, Helene F.....Pella
 Steinkamp, MurrayPella
 Temple, Marguerite E.....Fulton, Ill.
 Vanden Oever, Marion.....Pella
 Vanderpol, HelenPella

Vander Stoep, Gerrit.....	Maurice
Van Doorninck, Fred.....	Pella
Van Niewaal, Lucille.....	Pella
Ver Heul, Neal B.....	Monroe
Ver Steeg, Samuel.....	Pella

FRESHMEN

Beerends, Tillie	Pella
Bird, M. Grace.....	Epworth
Bird, Ruth Genevieve.....	Epworth
Boeyink, Henry J.....	Sioux Center
Bosch, Viola	Pella
Bruins, Paul E.....	Pella
De Boer, Gerrit.....	Hull
De Bruyn, Will J.....	Pella
De Haan, Peter C.....	Pella
De Haan, Raymond J.....	Pella
De Haan, Reuben S.....	Pella
De Jong, Judith H.....	Maurice
De Kock, Henry C.....	Pella
Denekas, Clarence.....	German Valley, Ill.
Dykstra, Helen Marie.....	Monroe
Dykstra, Jeanette M.....	Monroe
Elscott, Leonora	Pella
Fennema, Catherine	Pella
Fox, Ila Marie.....	Pella
Fox, Olive Irene.....	Pella
Grandia, Florence	Pella
Groendyke, John E.....	Sheldon
*Grotenhuis, Henry S.....	Sioux Center
Hoekje, Gladys.....	Holland, Mich.
Hoeven, Eleanor	Pella
Hubbeling, Fred.....	Platte, S. D.
Korver, Mathilda	Alton
Kuyper, Julian	Pella
Kuyper, Magdalene	Pella
Lowery, Mary Jane.....	Pella

*Deceased.

Meyer, Wilhelmine	Aplington
Mowe, James	Pella
Neyenesch, Gertrude	Pella
Overman, Mildred Lois	Mescalero, N. M.
Paardecooper, Gerald	Pella
Schnucker, Calvin T.	Aplington
Scholten, Ben	Boyden
Schortinghuis, John F.	Hialeah, Fla.
Smith, Clarice	Grand Junction, Colo.
Stuursma, William	Pella
Vande Kieft, Arnold	Pella
Vander Meer, Edna	Hospers
Vander Naald, Bert	Sheldon
Vander Ploeg, Bessie	Pella
Vander Pol, Ralph	Boyden
Vander Waal, Marvin L.	Pella
Vander Wal, Robert	Pella
Van Donselaar, Mabel	Pella
Van Maren, Harold W.	Pella
Van Oostrum, Jennie	Pella
Van Veldhuizen, Jennie	Hospers
Ver Ploeg, Cornie	Pella
Vis, Margaret	Harrison, S. D.
Walkotten, Henry	Pella
Wilkins, Reca	Morrison, Ill.

ACADEMY ROLL

SENIORS

Ayres, Dorothy Louise	Leighton
Beckering, Kathryn J.	Pella
Boat, Earl M.	Pella
Boot, Mabel	Mitchellville
Bosch, Fred R. J.	Pella
Brower, Frank	Sheldon
Van Baren, Sara	Monroe
Van Diest, T. H.	Prairie View, Kansas

JUNIORS

Bosch, William Paul.....	Pella
De Bruin, Grace.....	Pella
Meppelink, Mae	Pella
Monroe, Erva Anne.....	Roseville, Ill.
Reeverts, Edward	Stout
Stureman, Jennie June.....	Pella
Trilk, Linda	Epworth
Van Arsdale, Pauline.....	Smithshire, Ill.
Vander Haar, B. Glenn.....	Leighton
Vander Meulen, Florence.....	Baxter
Watson, Dorothy Aline.....	Smithshire, Ill.
Wilkins, Cornelius	Morrison, Ill.

SOPHOMORES

Baas, William J.....	Jamestown, N. D.
Beckering, Henry H.....	Pella
Blom, Cornelia M.....	Pella
De Lange, Antoinette H...	Valley Springs, S. D.
De Penning, Wallace G.....	Pella
Hessing, Dirk	Pella
Keuning, John	Pella
Lubbers, Katherine	Pella
Perrine, Esther Mabel.....	Raritan, Ill.
Ter Louw, Fred W.....	Pella
Toom, Edith May.....	Pella
Van Gorp, John R.....	Pella

FRESHMEN

Bogaards, Gertrude	Pella
Bogard, Belle	Pella
Bogard, Carl	Pella
Engbers, Albert	Pella
Gosselink, Clara Mae	Pella
Hixson, Gwendolyn Beth.....	Media, Ill.
Kolenbrander, Henry	Pella
Rus, Cornelia Pearl	Pella
Van de Kieft, Elizabeth.....	Pella
Vos, Martha S.....	Pella

SHORT COURSE

Den Adel, John	Pella
Mensink, Earl	Lime Springs
Sikkink, Harold	Lime Springs
Sikkink, Ruth	Preston, Minn.
Van Zante, Dora	Pella

CONSERVATORY OF MUSIC

JUNIORS

Gosselink, Nicholas	Pella
Hoeven, Eleanor	Pella
Kuyper, Magdalene	Pella
Smith, Clarice	Grand Junction, Colo.
Van Baren, Sara	Monroe
Van Donselaar, Mabel	Pella

SOPHOMORES

Beerends, Tillie	Pella
Temple, Marguerite	Fulton, Ill.
Vander Meer, Edna	Hospers

FRESHMEN

De Haan, Delwin	Pella
Meyer, Wilhelmine	Aplington

UNCLASSIFIED

Aschenbrenner, Guelph	Pella
Aschenbrenner, Yvonne	Pella
Ballengee, Lenore	Pella
Baron, Marjorie	Pella
Blommers, Bernice	Pella
Blommers, Betty	Pella
Boat, Bert Reuben	Pella
Boot, Mabel	Mitchellville
Bosch, Viola	Pella
Brower, Frank	Sheldon
Bruins, Paul	Pella

Cook, Dorothy Nell	Pella
De Haan, Raymond	Pella
De Jong, Judith	Maurice
De Konig, Katherine	Pella
De Lange, Antoinette	Valley Springs, S. D.
De Penning, Wallace G.	Pella
Donai, Ella	Pella
Dykstra, Fred	Pella
Dykstra, Kenneth	Pella
Gaass, Leonora	Pella
Gosselink, Martha	Pella
Grandia, Irene	Pella
Grandia, Lois	Pella
Hesselink, Freda	Pella
Hesselink, Winifred	Pella
Hetherington, Martha	Monroe
Hixon, Gwendolyn	Media, Ill.
Korver, Mathilda	Alton
Lautenbach, Lee	Pella
Le Cocq, Frances	Pella
Liggett, Mary E.	Pella
Lubbers, Grace	Pella
Mokma, Cornelia	Leighton
Nagel, Floyd	Preston, Minn.
Oldham, Jeanette	Monroe
Overman, Mildred	Mescalera, N. M.
Pettersson, Elsa	Sully
Plette, Bertha	Pella
Plette, Clara	Pella
Plette, Henrietta	Pella
Reeverts, Edna	Pella
Rietveld, Alma	Pella
Roelofs, Henrietta	Edgerton, Minn.
Rozeboom, Helen	Orange City
Schnucker, Calvin	Aplington
Scholten, Ben	Boyden
Sedrel, Edith	Pella
Sessler, Gela	Pella
Slob, Helene	Pella

Steinkamp, Murray	Pella
Sybenga, Adelaide	Pella
Sybenga, Dorothy	Pella
Sybenga, Emma	Pella
Terpstra, Grace	Pella
Terpstra, Sybil	Pella
Toom, Edith Mae	Pella
Van Baren, Etta	Monroe
Vander Linden, Frances	Pella
Vander Meulen, Florence	Baxter
Vander Meulen, Harold	Monroe
Vander Ploeg, Bessie	Pella
Vander Pol, Gertrude	Sully
Vander Pol, Wilda	Pella
Van Doorninck, Fred	Pella
Van Doorninck, William	Pella
Van Gorp, Jeanette	Otley
Van Houweling, Elva Mae	Pella
Van Oostrum, Jennie	Pella
Van Rees, Earl	Pella
Van Roekel, Gerrit	Pella
Van Ryswyk, Grace	Pella
Van Veen, Bessie	Pella
Van Zante, Anthony	Pella
Vis, Margaret	Harrison, S. D.
Wesselink, Elizabeth	Pella
Wilkins, Cornelius	Morrison, Ill.

SUMMER SCHOOL 1922

Ballengee, Lenora	Pella
Baron, Marjorie	Pella
Crew, Mary	Pella
De Haan, Delwin	Pella
Frush, Harriet	Pella
Frush, Marion	Pella
Gosselink, Nicholas	Pella
Gosselink, Nina	Pella
Hoeven, Eleanor	Pella

Kuyper, Magdalene	Pella
Plette, Henrietta	Pella
Sedrel, Edith	Pella
Slob, Helene	Pella
Sybenga, Adelaide	Pella
Terpstra, Sybil	Pella
Toom, Harriet	Pella
Van Baren, Sara	Monroe
Vander Meulen, Florence.....	Baxter
Vander Meulen, Harold.....	Monroe
Vander Ploeg, Antoinette.....	Pella
Vander Ploeg, Bessie	Pella
Van Donselaar, Mabel	Pella
Van Gorp, Emma	Otley
Van Heukelom, Elma	Leighton
Van Heukelom, Roy	Leighton
Van Houweling, Elva Mae.....	Pella
Van Ryswyk, Grace	Pella
Veenstra, Beulah	Pella
Ver Steeg, Dena	Pella
Wesselink, Elizabeth	Pella

PRIVATE EXPRESSION

Boom, Thomas	Litchville, N. D.
Bruins, Mary	Pella
De Bruin, Cornie A.....	Pella
De Jong, Judith.....	Maurice
Durham, David	Knoxville
Gosselink, Martha	Pella
Klein, Harold	Pella
Lowery, Mary	Pella
Monroe, Erva	Roseville, Ill.
Rozeboom, Gerrit	Sioux Center
Rozendaal, Henry	Lynnville
Scholten, Christine	Boyden
Schakel, Leota	Pella
Van Niewaal, Lucille	Pella

SUMMARY OF STUDENTS

College	132
Seniors	17
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Seniors	8
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Short Course	5
Private Expression	14
Music	89
Summer School of Music	29
	—
Total	311
Less duplicates	80
	—
Net Total	231

A WORD TO THE FRIENDS OF CENTRAL

Without any doubt there are few friends who watch Central's progress more eagerly than Old Central's Alumni. Though the administration has passed into different hands, and a new circle of friends is being formed, still we shall always look with pardonable pride to the record which her graduates have made and are still making. Central has always stood for the highest ideals of manhood and womanhood. These ideals are now finding expression through hundreds of consecrated lives. Central's graduates have gone into every field of honorable endeavor. They have added to the world's joy, enriched the sum total of human good, and in lifting humanity have brought it nearer God.

Central appeals to the loyalty of her sons and daughters. Many colleges are flourishing today because the alumni gave tangible expression to the debt of gratitude they owed their Alma Mater. There are among Central's sons those who can do the same. What cause can appeal more honorably to a spirit of generosity than the College which laid the foundation for future success? Gratitude prompts such benefactions. This College helped to make your lives worth while. What better thing can you do than to help her continue this work on a still larger scale? The graduates of the New Central are very few in numbers. They are just beginning life's work, and will give a good account of themselves.

However, Central can justly make her appeal to a far wider circle. The Reformed Church looks to Central to furnish the men and women who will carry on its great mission in the world. Friends east and west rejoice in

seeing that their hopes are already being realized. The people in Pella appreciate the very evident signs of rejuvenation, and are doing more than their share for a bigger and better Central. Friends far and near are responding in a most encouraging manner. Central looks to the future. She expects you to make the future glorious. We owe a word of appreciation and thanks to all who have so nobly come to our aid. In thanking the many pastors for bringing the claims of this institution to the attention of their congregations we would urge them to continue in this good work.

The President will be pleased to call on or correspond with any who are prompted to do something for this school. In case it is desired one of the following forms or bequest may be used:

I give or bequeath to the Board of Trustees of Central College, located at Pella, Iowa, the sum of \$....., to be applied to the endowment.

• Or,

I give or bequeath to the Board of Trustees of Central College, located at Pella, Iowa, the sum of \$....., to be applied to the building fund.

Or,

I give or bequeath to the Board of Trustees of Central College, located at Pella, Iowa, the sum of \$....., to be applied in such a manner as the Board of Trustees may deem most needful.

However, let it not be forgotten that money will not make a College. The most elegant

buildings and elaborate equipment may mean no more for the uplift of humanity than the monuments in our cemeteries. A College must express its ideals through the medium of life. That life is the student body. A friend of Central can perform no more worthy service than to direct the mind of a boy or girl to the advantages of an education. Second only to that is the service one can render by emphasizing the Christian ideal in education, and directing youth to a college like Central where Christian ideals are foremost.

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